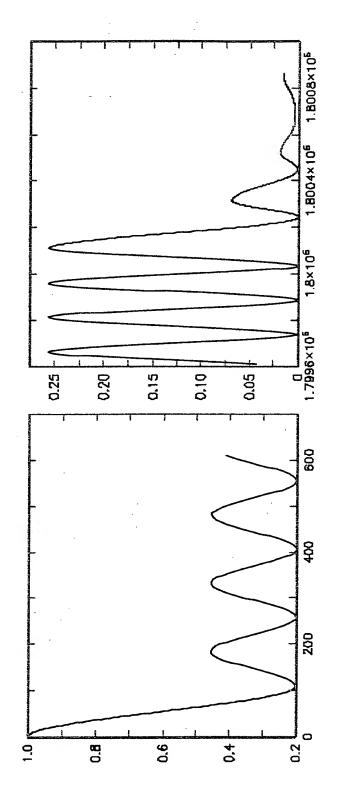
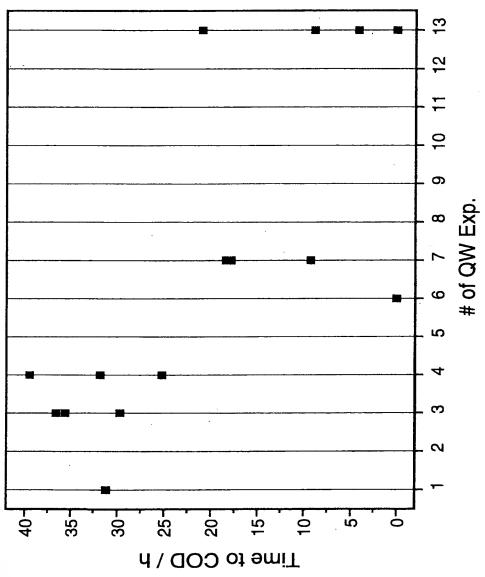


Phase Shifting Quarter Wave Coating with a 1 % Reflectance

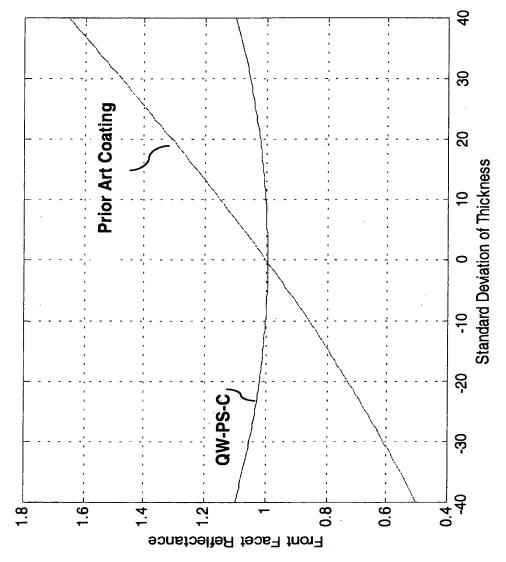


Phase Shifting Quarter Wave Coating with a 4 % Reflectance

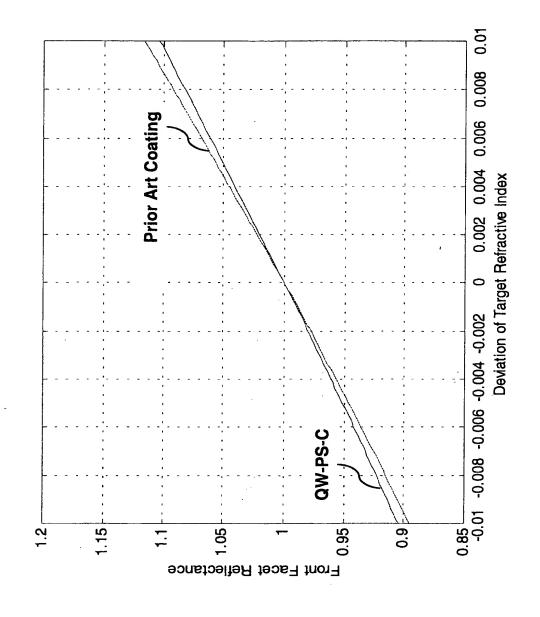




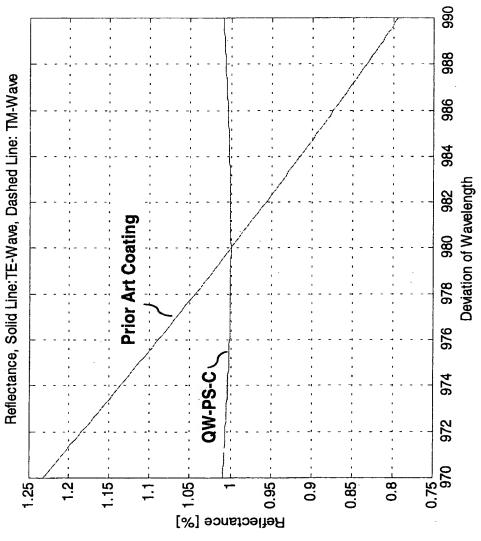
Time to COD vs. # of QW Exp



Dependence of reflectance on thickness variation



Dependence of Reflectance on index variation



Dependence of reflectance on wavelength variation

Fig. 11

Process parameters

Coating	2%SiH4/He	N2	VH3	Plasma Power	Substrate Temp	Pressur e
Prior art	300 sccm	330 sccm	Variable (~11.5sccm)	20 Watts	300 °C	1.4 Torr
QW-PS-C	403 sccm	35 sccm	Variable (~12.2sccm)	25 Watts	300 °C	1.4 Torr